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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,577	07/11/2001	Tsuyoshi Saito	KOKUSAI069	4806

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EXAMINER

SANDOVAL, KRISTIN D

ART UNIT PAPER NUMBER

2132

DATE MAILED: 11/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/901,577

Applicant(s)

SAITO ET AL.

Examiner

Kristin D. Sandoval

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2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 August 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-12, 14, 15, 18 and 19 is/are allowed.
- 6) ☒ Claim(s) 1-7, 13, 16 and 17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>9/22/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-19 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-19 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 1, 3, 4 and 16 rejected under 35 U.S.C. 103(a) as being unpatentable by Seaton et al. (Seaton), U.S. Patent No. 5,591,299 in view of Mairs et al. (Mairs), U.S. Patent No. 5,874,960.

As per claims 1, 3 and 4:

Seaton substantially teaches a remote control system for one or more semiconductor manufacturing apparatuses comprising:

A supervisory device which controls said one or more semiconductor manufacturing apparatuses (4:57-5:8); and

A remote operation device that accesses said supervisory device through a communication line (5:9-33);

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Enables said remote device to perform a same operation as that carried out by said supervisory device on said one or more semiconductor manufacturing apparatuses (5:20-27); and

Wherein said remote operation device replaces operation parameter files of said supervisory device through remote control (7:2-20).

Seaton fails to teach the displaying a same screen on the remote operation device as that displayed by the supervisory device. However, Mairs discloses a system where the same screen is displayed simultaneously on a host and shadow computer. It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to use the system of Mairs in combination with the system of Seaton because this would improve the real time efficiency of integrating the monitoring of the semiconductor spray processing tool (Seaton, 1:64-2:3).

As per claim 16:

Seaton discloses a system further comprising a display screen associated with the supervisory device and a display screen associated with the remote operation device (10:50-63).

4. Claims 2, 5, 7 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable by Seaton et al. (Seaton), U.S. Patent No. 5,591,299 in view of Mairs et al. (Mairs) U.S. Patent No. 5,874,960 as applied to claim 1 above and further in view of Ogushi et al., U.S. Patent Number 6,385,497.

Regarding claim 2, Ogushi et al. discloses the supervisory device performing user authentication on the remote operation device (see column 6, lines 27-32; claims 12 and 13).

Regarding claims 5, 13 and 17, Seaton substantially teaches a remote control system for one or more semiconductor manufacturing apparatuses comprising:

a host device and one or more semiconductor manufacturing apparatuses (4:57-5:8); and

A remote operation device with a communication element accessible to the host device on the semiconductor manufacturing side by way of a communication line (5:9-33);

Enables said remote device to remotely control and operate said host device (5:20-27);
and

Wherein said remote operation device replaces operation parameter files of said host device through remote control (7:2-20).

Seaton fails to teach a communication element having a call incoming function and user authentication. However, Ogushi et al. disclose on the host device an IP routing function and protocols for remote control operation, and a communication element receiving a call incoming from the communication line (see column 1, lines 44-57; column 3, lines 31-45; column 4, lines 48-59); and the host device performing user authentication (see column 6, lines 27-32; claims 12 and 13).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to include an communication element and user authentication in order to increase security in the communication between the host device and the remote device.

Seaton fails to teach the displaying a same screen on the remote operation device as that displayed by the supervisory device. However, Mairs discloses a system where the same screen is displayed simultaneously on a host and shadow computer. It would have been obvious to one

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of ordinary skill in the art at the time of Applicant's invention to use the system of Mairs in combination with the system of Seaton because this would improve the real time efficiency of integrating the monitoring of the semiconductor spray processing tool (Seaton, 1:64-2:3).

It would have been obvious to one of ordinary skill in the art at the time of Applicant's invention to use the system of Mairs in combination with the system of Seaton because this would improve the real time efficiency of integrating the monitoring of the semiconductor spray processing tool (Seaton, 1:64-2:3).

Regarding claim 7, Ogushi et al. disclose that the host device and the remote operation device are connected in communication means through a network (see column 1, lines 58-66). Thus it is inherent that each includes a terminal adapter as a communication element.

Allowable Subject Matter

5. Claims 8-12, 14, 15, 18 and 19 allowed.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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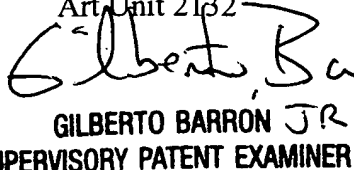
the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristin D. Sandoval whose telephone number is 571-272-7958. The examiner can normally be reached on Monday - Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KDS
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Kristin D Sandoval
Examiner
Art Unit 2132

GILBERTO BARRON JR
SUPERVISORY PATENT EXAMINER
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